

LOXL4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17245b**Specification**

LOXL4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q96JB6](#)

LOXL4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 84171

Other Names

Lysyl oxidase homolog 4, 143-, Lysyl oxidase-like protein 4, Lysyl oxidase-related protein C, LOXL4, LOXC

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LOXL4 Antibody (C-term) Blocking Peptide - Protein Information

Name LOXL4

Synonyms LOXC

Function

Catalyzes the oxidative deamination of lysine and hydroxylysine residues in collagen and elastin, resulting in the formation of covalent cross-linkages, and the stabilization of collagen and elastin fibers.

Cellular Location

Secreted, extracellular space.

Tissue Location

Expressed in many tissues, the highest levels among the tissues studied being in the skeletal muscle, testis and pancreas Expressed in cartilage

LOXL4 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

LOXL4 Antibody (C-term) Blocking Peptide - Images

LOXL4 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family.

LOXL4 Antibody (C-term) Blocking Peptide - References

Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009) Sebban, S., et al. Virchows Arch. 454(1):71-79(2009) Gorogh, T., et al. Int. J. Oncol. 33(5):1091-1098(2008) Kim, D.J., et al. Biochem. Biophys. Res. Commun. 373(4):521-527(2008) Weise, J.B., et al. Int. J. Oncol. 32(2):317-322(2008)